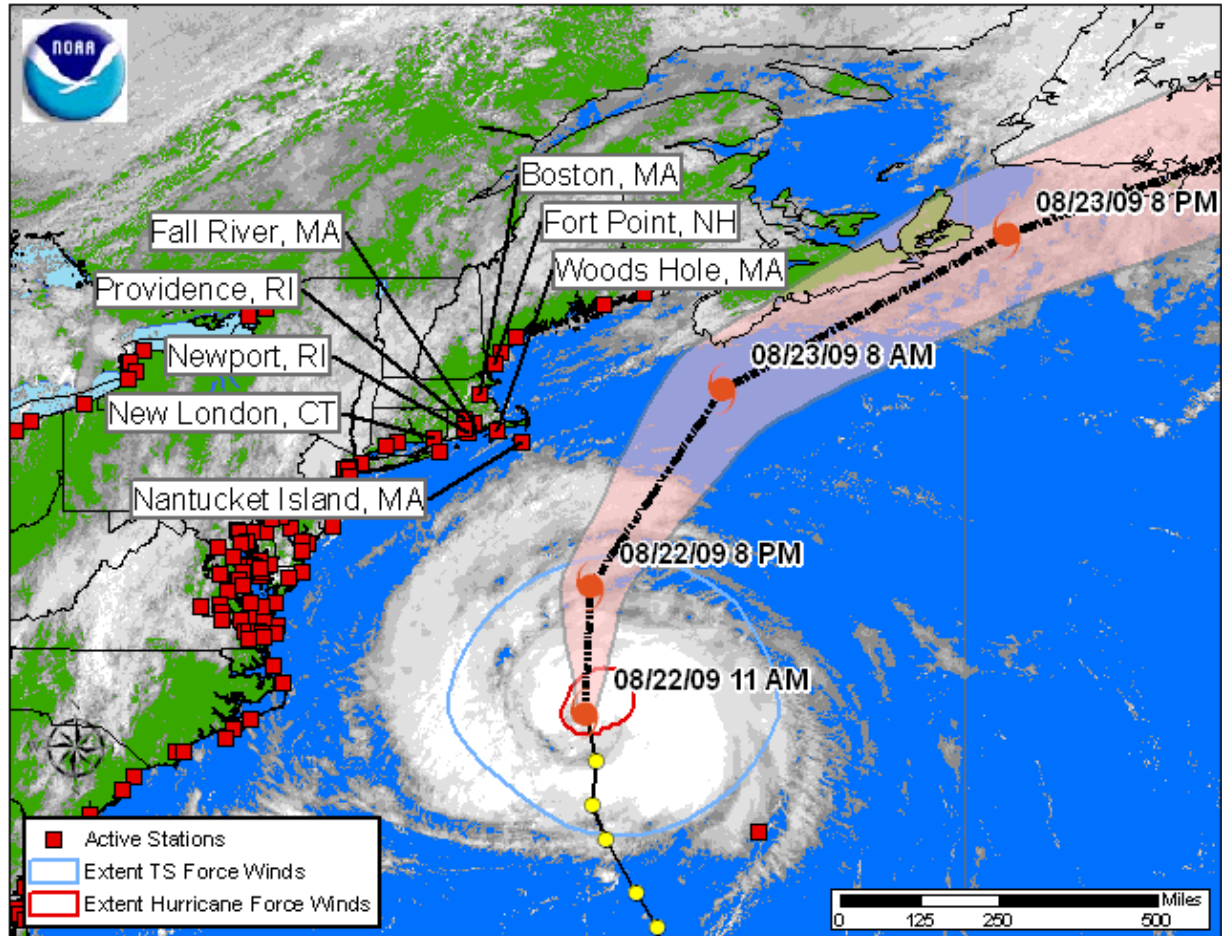




Hurricane BILL QuickLook  
Posted: 12:00 AST 08/22/2009

**NOAA and NOAA Partnership Stations Relative to the Storm**



**Storm Analysis**

As of 8/22/2009 12:00 AST, water levels along the New England coast from Connecticut to New Hampshire are at or near predicted values. Winds speeds are generally between 10 and 20 knots. Barometric pressure is steady.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

New London, CT: Next predicted high tide is 3.1 ft (0.95 m) at 08/22/2009 23:42 EDT.

Newport, RI: Next predicted high tide is 4.2 ft (1.28 m) at 08/22/2009 22:12 EDT.

Providence, RI: Next predicted high tide is 5.6 ft (1.72 m) at 08/22/2009 22:30 EDT.

Fall River, MA: Next predicted high tide is 5.5 ft (1.67 m) at 08/22/2009 22:33 EDT.

Woods Hole, MA: Next predicted high tide is 2.4 ft (0.74 m) at 08/22/2009 22:33 EDT.

Nantucket Island, MA: Next predicted high tide is 3.8 ft (1.15 m) at 08/22/2009 14:24 EDT.

Boston, MA: Next predicted high tide is 11.2 ft (3.43 m) at 08/22/2009 13:18 EDT.

Fort Point, NH: Next predicted high tide is 10.4 ft (3.17 m) at 08/22/2009 13:18 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

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**SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:**

**HURRICANE BILL ADVISORY NUMBER 29**

**1100 AM AST SAT AUG 22 2009**

**..HURRICANE BILL MOVING NORTHWARD**

**AT 11 AM AST A TROPICAL STORM WARNING IS IN EFFECT FOR THE COAST OF MASSACHUSETTS FROM WOODS HOLE TO SAGAMORE BEACH...INCLUDING THE ISLANDS OF MARTHAS VINEYARD AND NANTUCKET.**

**INTERESTS ELSEWHERE ALONG THE COAST OF NEW ENGLAND AND IN THE REMAINDER OF THE CANADIAN MARITIMES SHOULD MONITOR THE PROGRESS OF BILL.**

**AT 1100 AM AST THE CENTER OF HURRICANE BILL WAS LOCATED ABOUT 435 MILES SOUTH OF NANTUCKET MASSACHUSETTS AND ABOUT 710 MILES SOUTH-SOUTHWEST OF HALIFAX NOVA SCOTIA.**

**BILL IS MOVING TOWARD THE NORTH NEAR 23 MPH AND THIS MOTION IS EXPECTED TO CONTINUE TODAY WITH A GRADUAL TURN TO THE NORTH-NORTHEAST ON SUNDAY. ON THE FORECAST TRACK...THE CORE OF HURRICANE BILL SHOULD PASS OFFSHORE THE COAST OF NEW ENGLAND LATE TODAY OR TONIGHT AND APPROACH NOVA SCOTIA ON SUNDAY.**

**MAXIMUM SUSTAINED WINDS ARE NEAR 100 MPH WITH HIGHER GUSTS. BILL IS A CATEGORY TWO HURRICANE ON THE SAFFIR-SIMPSON SCALE. SOME FLUCTUATIONS IN INTENSITY ARE POSSIBLE TODAY BUT A GRADUAL WEAKENING IS EXPECTED TONIGHT AND SUNDAY AS THE CENTER OF BILL MOVES NORTH OF THE GULF STREAM.**

**HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 85 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 275 MILES.**

**ESTIMATED MINIMUM CENTRAL PRESSURE IS 964 MB...28.47 INCHES.**

**1 TO 2 INCHES OF RAIN IS EXPECTED OVER NANTUCKET ISLAND AND NEAR 1 INCH OVER OUTER CAPE COD AND MARTHAS VINEYARD.**

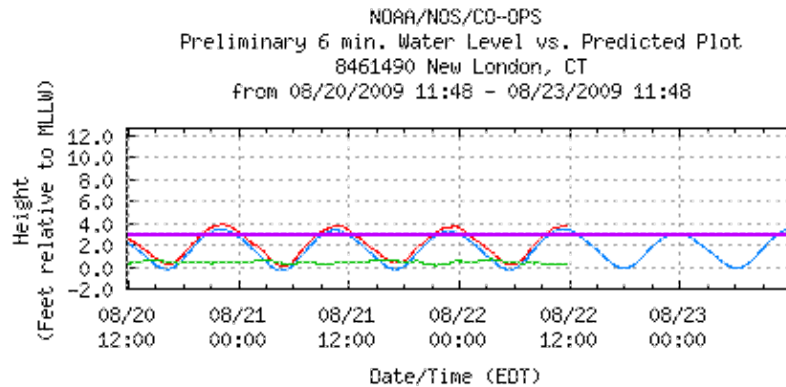
**LARGE SWELLS GENERATED BY HURRICANE BILL ARE STILL AFFECTING THE SOUTHEAST COAST OF THE UNITED STATES. LARGE SWELLS WILL BEGIN TO AFFECT MUCH OF THE REMAINDER OF THE U.S. EAST COAST AND THE ATLANTIC MARITIMES OF CANADA LATER TODAY AND SUNDAY. THESE SWELLS WILL LIKELY CAUSE EXTREMELY DANGEROUS SURF AND LIFE-THREATENING RIP CURRENTS.**

**FORECASTER AVILA**

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [New London - Water Level](#), [New London - Winds](#), [New London - Barometric](#), [Newport - Water Level](#), [Newport - Winds](#), [Newport - Barometric](#), [Newport - Air/Water Temp](#), [Providence - Water Level](#), [Providence - Winds](#), [Providence - Barometric](#), [Fall River - Water Level](#), [Fall River - Barometric](#), [Woods Hole - Water Level](#), [Woods Hole - Barometric](#), [Nantucket Island - Water Level](#), [Nantucket Island - Winds](#), [Nantucket Island - Barometric](#), [Nantucket Island - Air/Water Temp](#), [Boston - Water Level](#), [Fort Point - Water Level](#),

**New London, CT** - [Return to List](#)

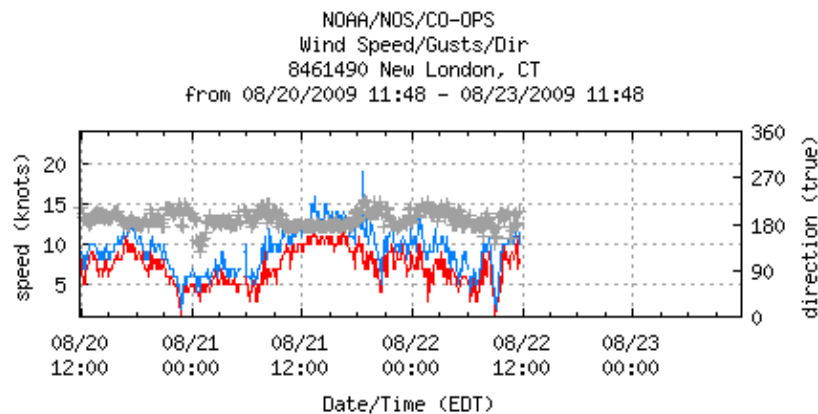


Last Observed Sample: 08/22/2009 11:36 (EDT)

Relative to **MLLW**: **Observed: 3.80 ft. Predicted: 3.44 ft. Residual: 0.36 ft.**

Historical Maximum Water Level: 09/21/1938, 7.53 ft. above **MHHW**

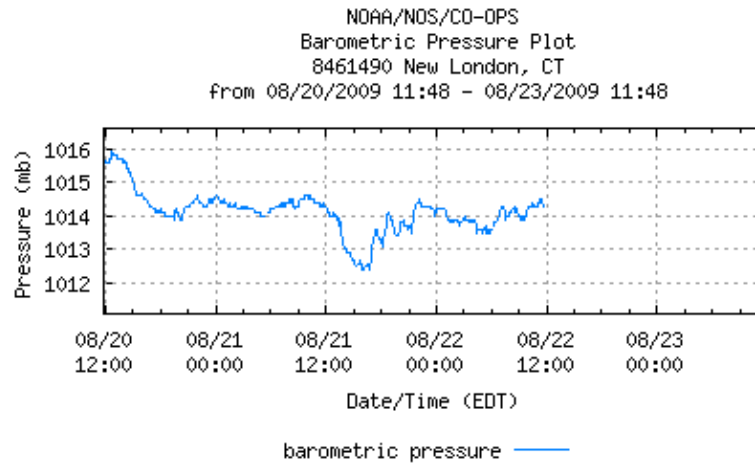
**New London, CT** - [Return to List](#)



Last Observed Sample: 08/22/2009 11:36 (EDT)

**Wind Speed: 8 knots Gusts: 10 knots Direction: 205° T**

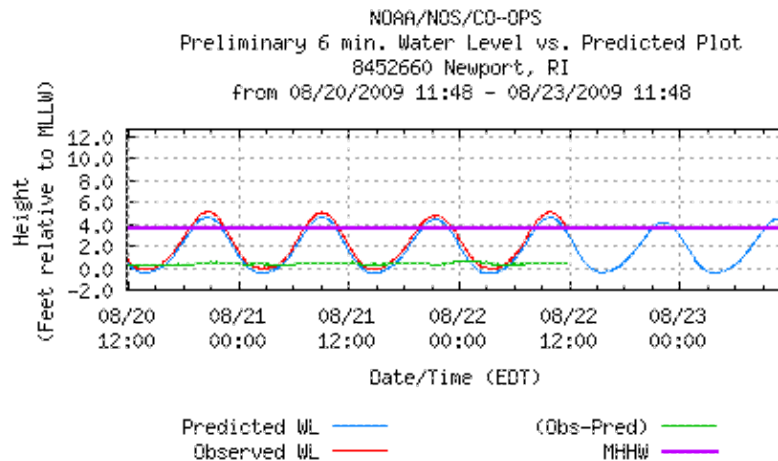
**New London, CT** - [Return to List](#)



Last Observed Sample: 08/22/2009 11:36 (EDT)

Barometric Pressure: 1014.3 mb

**Newport, RI** - [Return to List](#)

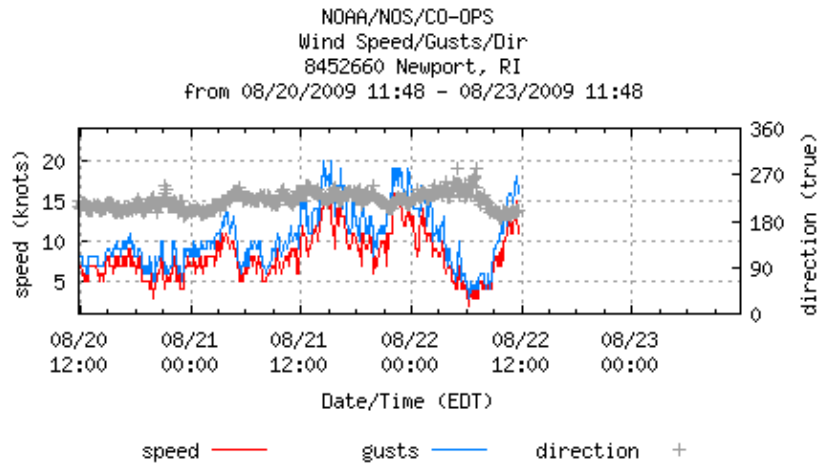


Last Observed Sample: 08/22/2009 11:36 (EDT)

Relative to **MLLW**: **Observed: 3.82 ft.** **Predicted: 3.38 ft.** **Residual: 0.44 ft.**

Historical Maximum Water Level: 09/21/1938, 9.46 ft. above **MHHW**

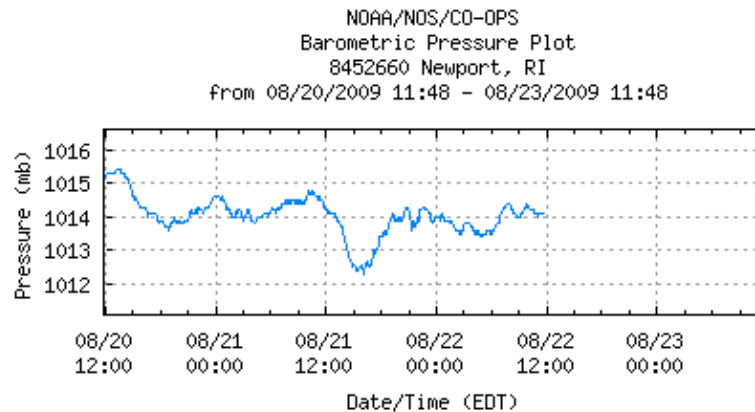
**Newport, RI** - [Return to List](#)



Last Observed Sample: 08/22/2009 11:36 (EDT)

Wind Speed: 11 knots Gusts: 16 knots Direction: 200° T

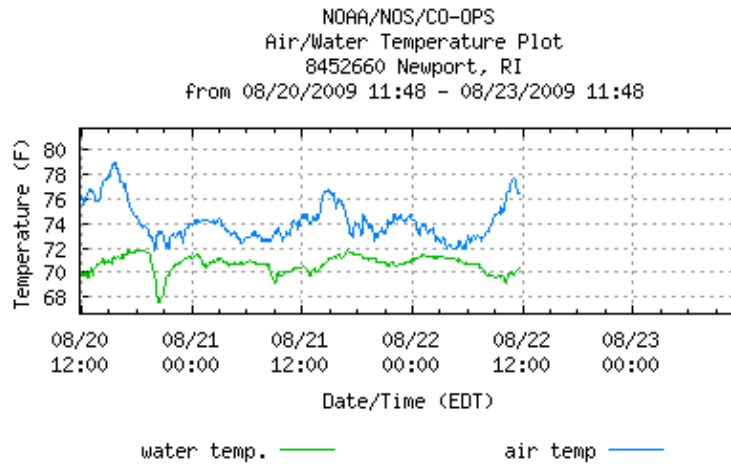
**Newport, RI** - [Return to List](#)



Last Observed Sample: 08/22/2009 11:36 (EDT)

Barometric Pressure: 1014.1 mb

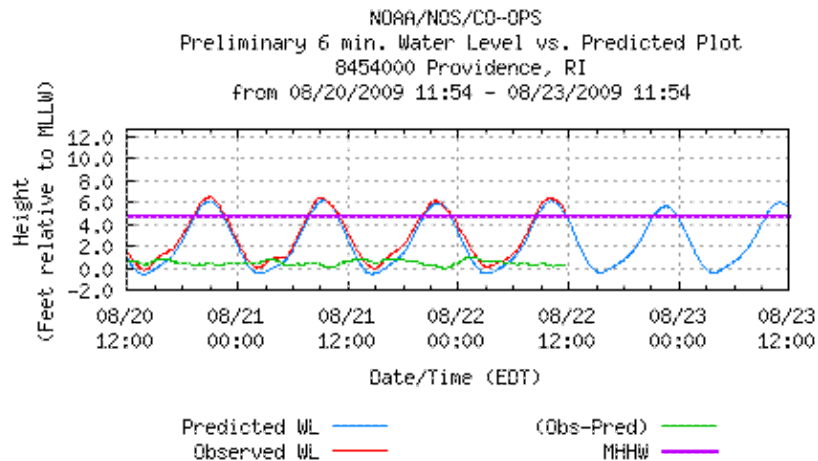
**Newport, RI** - [Return to List](#)



Last Observed Sample: 08/22/2009 11:36 (EDT)

Water Temperature: 70.3° F Air Temperature: 76.4° F

**Providence, RI** - [Return to List](#)

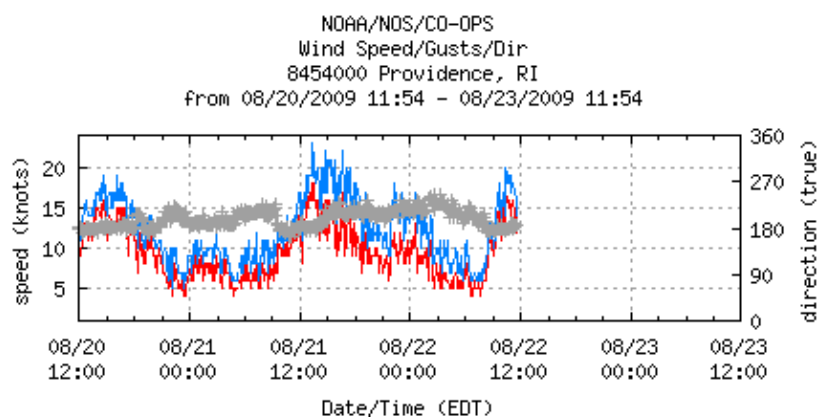


Last Observed Sample: 08/22/2009 11:36 (EDT)

Relative to **MLLW**: Observed: 5.22 ft. Predicted: 4.92 ft. Residual: 0.30 ft.

Historical Maximum Water Level: 09/21/1938, 12.67 ft. above **MHW**

**Providence, RI** - [Return to List](#)

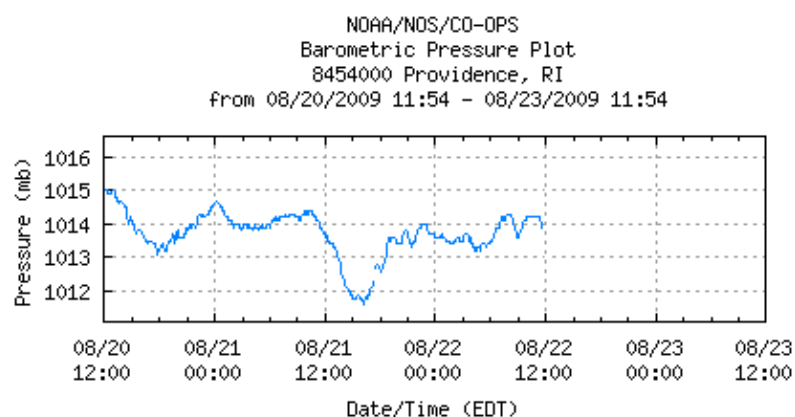


speed — gusts — direction +

**Last Observed Sample: 08/22/2009 11:36 (EDT)**

**Wind Speed: 12 knots Gusts: 14 knots Direction: 185° T**

**Providence, RI** - [Return to List](#)

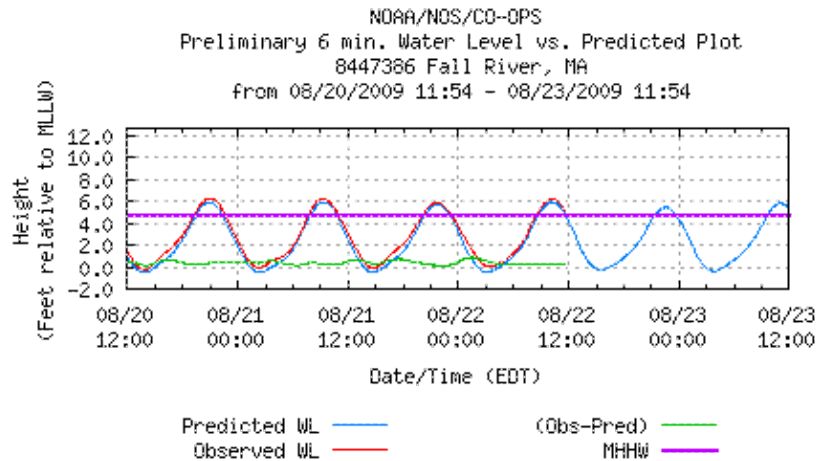


barometric pressure —

**Last Observed Sample: 08/22/2009 11:36 (EDT)**

**Barometric Pressure: 1013.9 mb**

**Fall River, MA** - [Return to List](#)

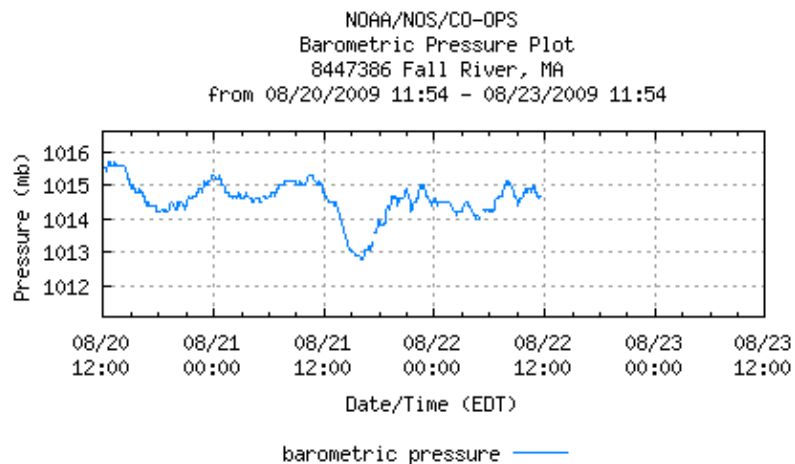


Last Observed Sample: 08/22/2009 11:36 (EDT)

Relative to **MLLW**: **Observed: 5.14 ft. Predicted: 4.83 ft. Residual: 0.31 ft.**

Historical Maximum Water Level: 12/12/2000, 2.76 ft. above **MHHW**

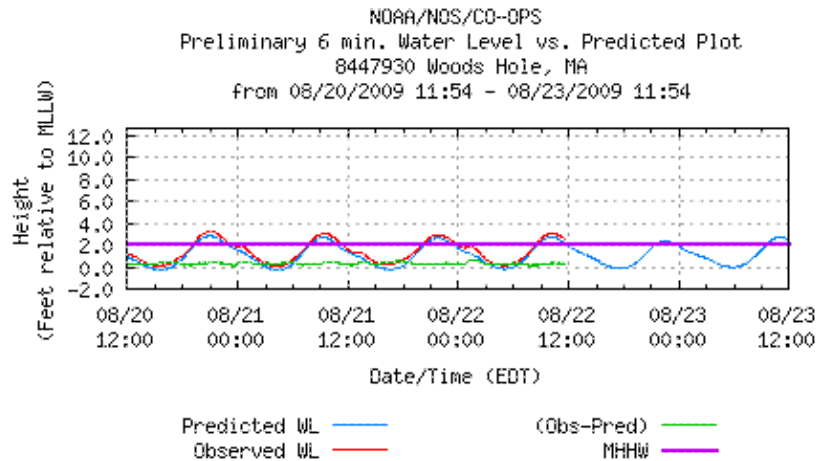
**Fall River, MA** - [Return to List](#)



Last Observed Sample: 08/22/2009 11:36 (EDT)

**Barometric Pressure: 1014.7 mb**

**Woods Hole, MA** - [Return to List](#)

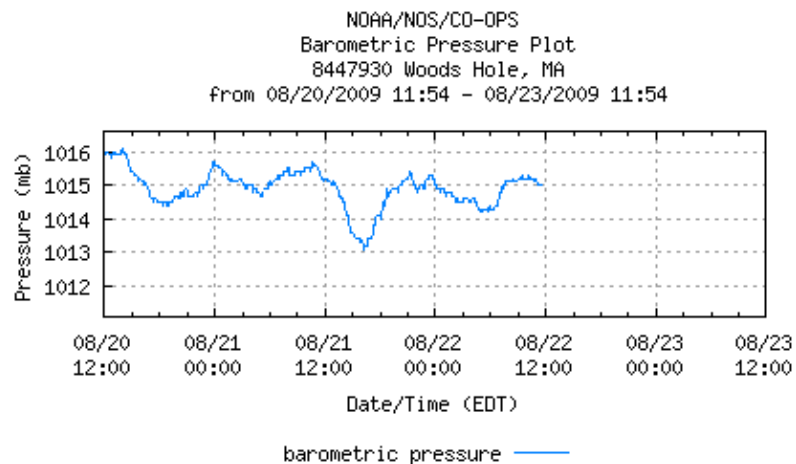


Last Observed Sample: 08/22/2009 11:36 (EDT)

Relative to **MLLW**: **Observed: 2.53 ft.** **Predicted: 2.16 ft.** **Residual: 0.37 ft.**

Historical Maximum Water Level: 09/21/1938, 8.58 ft. above **MHHW**

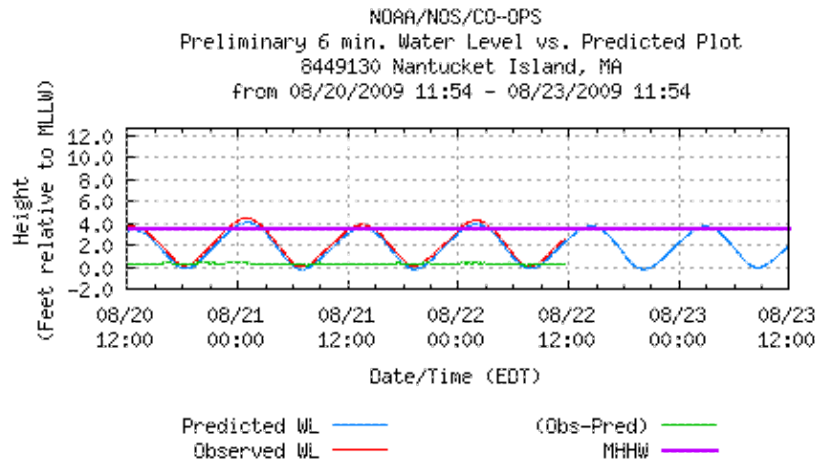
**Woods Hole, MA** - [Return to List](#)



Last Observed Sample: 08/22/2009 11:36 (EDT)

**Barometric Pressure: 1015.0 mb**

**Nantucket Island, MA** - [Return to List](#)

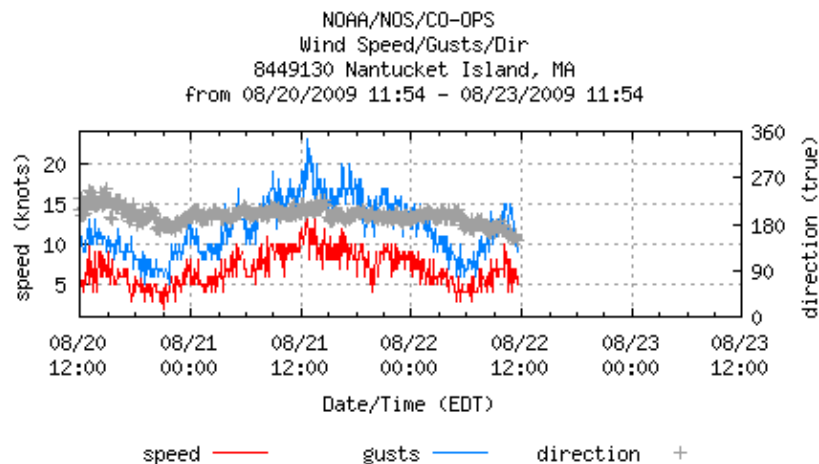


Last Observed Sample: 08/22/2009 11:36 (EDT)

Relative to **MLLW**: **Observed: 2.61 ft. Predicted: 2.30 ft. Residual: 0.31 ft.**

Historical Maximum Water Level: 10/30/1991, 4.29 ft. above **MHHW**

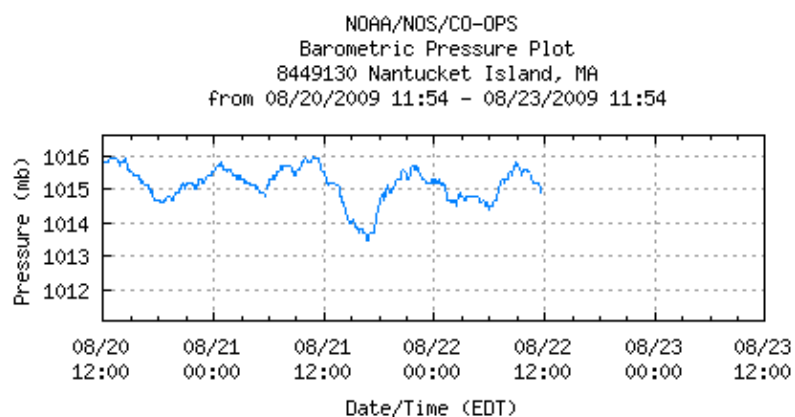
**Nantucket Island, MA** - [Return to List](#)



Last Observed Sample: 08/22/2009 11:36 (EDT)

**Wind Speed: 6 knots Gusts: 10 knots Direction: 148° T**

**Nantucket Island, MA** - [Return to List](#)

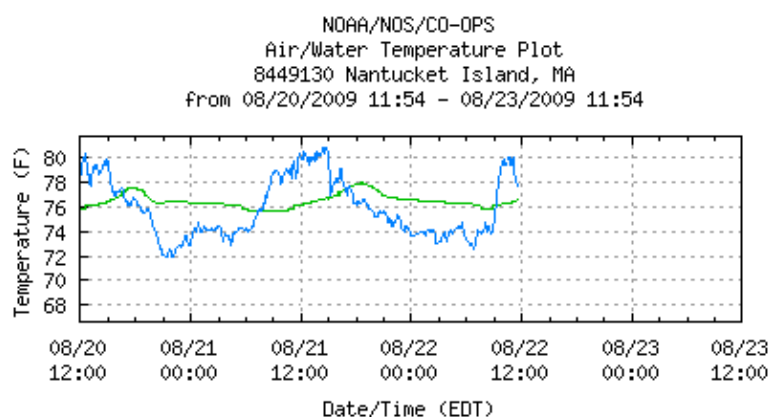


barometric pressure —

**Last Observed Sample: 08/22/2009 11:36 (EDT)**

**Barometric Pressure: 1014.9 mb**

**Nantucket Island, MA** - [Return to List](#)

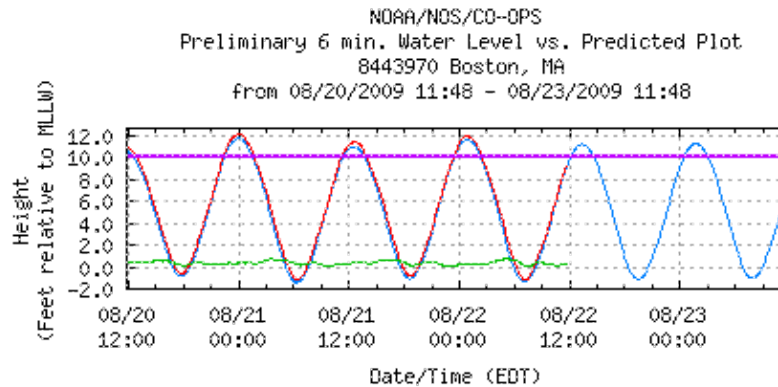


water temp. — air temp —

**Last Observed Sample: 08/22/2009 11:30 (EDT)**

**Water Temperature: 76.6° F Air Temperature: 77.7° F**

**Boston, MA** - [Return to List](#)

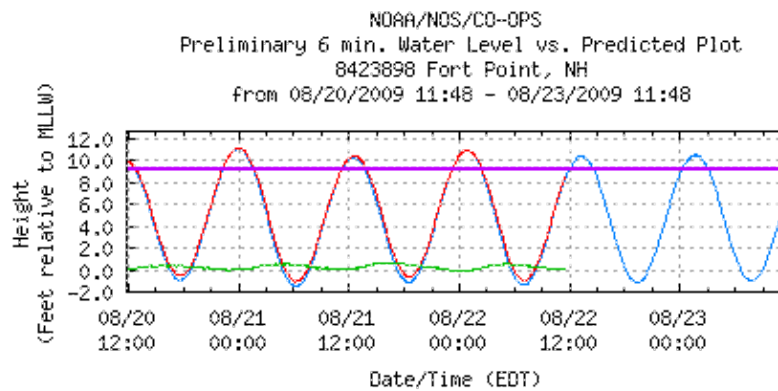


Last Observed Sample: 08/22/2009 11:36 (EDT)

Relative to **MLLW**: **Observed: 9.26 ft. Predicted: 9.00 ft. Residual: 0.26 ft.**

Historical Maximum Water Level: 02/07/1978, 4.82 ft. above **MHHW**

**Fort Point, NH** - [Return to List](#)



Last Observed Sample: 08/22/2009 11:30 (EDT)

Relative to **MLLW**: **Observed: 8.47 ft. Predicted: 8.34 ft. Residual: 0.13 ft.**

Historical Maximum Water Level: n/a

## Hurricane BILL QuickLook, POSTED 12:00 AST 08/22/2009

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce